

CHAPTER 9

REFERENCES

- Jacobs, D. (2012). Cloud Computing Introduction. *IEEE Technology Time Machine Symposium (TTM)*. doi: 10.1109/TTM.2012.6509042
- Qaisar, J. (2012). Introduction to Cloud Computing - Key Concepts, the Players and their offerings. *IEEE TCF Information Technology Professional Conference*, 1-6. doi: 10.1109/TCFProIT.2012.6221131
- Understanding Cloud Computing Architecture. (2017). *Rolavideo Press Book*. Retrieved from <http://rolavideo1.press/2017/01/understanding-cloud-computing-architecture/>
- Philip, L. (2015). Introduction to Cloud Computing. *IEEE Educational Activities*. Retrieved from <https://courses.edx.org/asset-v1:IEEEEx+CloudIntro.x+2015T2+type@asset+block/CloudIntroCourseInfo.pdf>
- Ubaidullah B., Qahtan S., Yahya, T. (2016). Cloud Computing Service models: A Comparative Study. *IEEE 3rd International Conference on Computing for Sustainable Global Development (INDIACom)*. Electronic ISBN: 978-9-3805-4421-2
- Huixin, C. (2016). Architecture Strategies and Data Models of Software as a Service: A review. *3rd IEEE International Conference on Informative and Cybernetics for Computational Social Systems (ICCSS)*, 382-385. doi: 10.1109/ICCSS.2016.7586486
- Pratima, D., Lakshmi, J., Nandy, K. (2015). High Performance Computing Cloud- A Platform-as-a-Service Perspective. *IEEE International Conference on Cloud Computing and Big Data (CCBD)*, 21-28. doi: 10.1109/CCBD.2015.56
- Bobák, M., Ladislav, H., Viet, T. (2015). Tailored Platforms as Cloud Service. *IEEE 13th International Symposium on Intelligent Systems and Informatics (SISY)*, 43-48. doi: 10.1109/SISY.2015.7325408

- Shadha, M., Amri, A., Lin, G. (2016). Infrastructure as a Service: Exploring Network Access Control Challenges. *IEEE SAI Computing Conference (SAI)*. 596-603. doi: 10.1109/SAI.2016.7556042
- Cash, S., Jain, V., Jiang, L., Karve, A., Kidambi, J., Lyons, M., Mathews, T., Mullen, S., Mulsow, M., Patel, N. (2016). Managed Infrastructure with IBM Cloud OpenStack Services. *IEEE IBM Journal of Research and Development*, 60(3):1-12. doi: 10.1147/JRD.2016.2515418
- Anwar, A., Sailer, A., Andrzej, K., Charles, O., Schulz, A., Segal, Butt, A. (2015). Cost-Aware Cloud Metering with Scalable Service Management Infrastructure. *IEEE 8th International Conference on Cloud Computing*. 285-292. doi: 10.1109/CLOUD.2015.46
- Ziglari, H., Yahya, S. (2016). Deployment Models – Enhancing Security in Cloud Computing Environment. *22nd Asia Pacific Conference on Communications IEEE (APCC)*, 204-209. doi: 10.1109/APCC.2016.7581477
- Geetha, V., Laavanya, N., Priyadharshiny, S., Sofeyikalaimathy, C. (2016). Survey on Security Mechanisms for Public Cloud Data. *IEEE International Conference on Emerging Trends in Engineering, Technology and Science (ICETETS)*. 1-8. doi: 10.1109/ICETETS.2016.7602987
- Choi, H., Lim, S., Choi, B., Park, R., Lee H. (2010). State of the Art of Network Security Perspectives in Cloud Computing. *Springer 1st International Conference on Communications in Computer and Information Science Security-enriched Urban Computing and Smart Grid*, 629-637. doi: 10.1007/978-3-642-16444-6_79
- Deshmukh, R., Devadkar, K. (2015). Understanding DDoS Attack & its effect in Cloud Environment. *Procedia 4th International Conference on Advances in Computing, Communication and Control (ICAC3'15)*, (49), 202-210. doi: 10.1016/j.procs.2015.04.245
- Mishra, A., Srivastava, A., Gupta, B., Tyagi, A., Sharma, A. (2011). A Recent Survey on DDoS Attacks and Defense Mechanisms. *Springer 1st International Conference on Parallel, Distributed Computing Technologies and Applications (PDCTA)*, (203), 570-580. doi: 10.1007/978-3-642-24037-9_57

- Anwar, Z., Malik, A. (2014). Can a DDoS Attack Melt Down my Data Center? A Simulation Study and Defense Strategies. *IEEE Communication Letters*, 18(7), 1175–1178. doi: 10.1109/LCOMM.2014.2328587
- Zargar, T., Joshi, J., David, T. (2013). A Survey of Defense Mechanisms against Distributed Denial of Service (DDoS) Flooding Attacks. *IEEE Communication Survey and Tutorials*, 15(4), 2046–2069. doi: 10.1109/SURV.2013.031413.00127
- Arukonda, S., Sinha, S. (2015). The Innocent Perpetrators: Reflectors & Reflection Attacks. *Advanced in Computer Science: an International Journal*, 3(13), 94–98. ISSN: 2322-5157
- Bhuyan, M., Bhattacharyya, K., Kalita, K. (2015). An Empirical Evaluation of Information Metrics for Low Rate and High Rate DDoS Attack Detection. *Elsevier Pattern Recognition Letters*, (51), 1–7. doi: 10.1016/j.patrec.2014.07.019
- Moore, C. (2016). Detecting Ransomware with Honeypot Techniques. *IEEE Cybersecurity and Cyberforensics Conference (CCC)*, 77-81. doi: 10.1109/CCC.2016.14
- Nolen, S., Carter, H., Traynor, P., Kevin, B. (2016). CryptoLock (and Drop It): Stopping Ransomware Attacks on User Data. *IEEE 36th International Conference on Distributed Computing Systems (ICDCS)*, (1), 303-312. doi: 10.1109/ICDCS.2016.46
- Orman, H. (2016). Evil Offspring - Ransomware and Crypto Technology. *IEEE Internet Computing*, 20 (5), 89-94. doi: 10.1109/MIC.2016.90
- Liao, K., Zhao, Z., Doupe, A., Gail, J. (2016). Behind Closed Doors: Measurement and Analysis of Crypto Locker Ransoms in Bitcoin. *IEEE APWG Symposium on Electronic Crime Research (eCrime)*. doi: 10.1109/ECRIME.2016.7487938
- Khouzani, M., Sarkar, S., Altman, E. (2011) A Dynamic Game Solution to Malware Attack. *IEEE Proceedings 2011 Infocom*. doi: 10.1109/INFCOM.2011.5935025
- Devi, G., Kumar, P. (2012). Cloud Computing: A CRM Service Based on a Separate Encryption and Decryption using Blowfish Algorithm. *International Journal of Computer Trends and Technology (IJCTT)*, 3(4), 592-596. ISSN: 2231-2803

- Kaur, Simranjeet. (2012). Cryptography and Encryption in Cloud Computing, *VSRD International Journal of Computer Science & Information Technology*, 2(3), 242-249
- Krutz, R., Vines, R. (2010). *Cloud Security: A Comprehensive Guide to Secure Cloud Computing*. *ACM Book Wiley*. ISBN: 0470589876 9780470589878
- Khader, A., Lai, D. (2015). Preventing Man-in-the-Middle attack in Diffie-Hellman Key Exchange Protocol. *22nd International Conference on Telecommunications (ICT)*. doi: 10.1109/ICT.2015.7124683
- Mewada, S., Sharma, P., Gautam, S. (2016). Exploration of efficient Symmetric Algorithms. *3rd International Conference on Computing for Sustainable Global Development (INDIACom)*, 663-666. ISBN: 978-9-3805-4421-2
- Wong, F., Tan, X. (2014). A Survey of Trends in Massive DDoS Attacks and Cloud-based Mitigations. *International Journal of Networks Security Applications (IJNSA)*. 6(3): 57–71. doi: 10.5121/ijnsa.2014.6305
- Darwish, M., Ouda, A., Capretz, F. (2013). Cloud-based DDoS Attacks and Defenses. *IEEE International Conference on Information Society*, 67–71. ISBN: 978-1-908320-13-1
- Prabhadevi, C., Syed, N., Sangeetha, V. (2014). Entropy-based Anomaly Detection System to Prevent DDoS Attacks in Cloud. *International Journal of Computer Applications*, 62(15), 42-47.
- Idziorek, J., Tannian, M., Jacobson, D. (2012). Attribution of Fraudulent Resource Consumption in the Cloud. *IEEE 5th International Conference on Cloud Computing (CLOUD)*, 99–106. doi: 10.1109/CLOUD.2012.23
- Ficco, M., Palmieri, F. (2015). Introducing Fraudulent Energy Consumption in Cloud Infrastructures: a New Generation of Denial-of-Service Attacks. *IEEE System Journal*, 99, 1–11. doi: 10.1109/JSYST.2015.2414822
- Merlo, A., Migliardi, M., Gobbo, N., Palmieri, F., Castiglione, A. (2014). A Denial of Service Attack to UMTS Networks using SIM-less Devices. *IEEE Transactions*

on Dependable and Secure Computing, 11(3), 280-291. doi: 10.1109/TDSC.2014.2315198

- Chonka, A., Abawajy, J. (2012). Detecting and Mitigating HX-DoS Attacks against Cloud Web Services. *15th IEEE International Conference on Network based Information Systems (NBiS)*, 429–434. doi: 10.1109/NBiS.2012.146
- Dantas, Y., Nigam, V., Iguatemi, F. (2014). A Selective Defense for Application Layer DDoS Attacks. *IEEE Joint Intelligence and Security Informatics Conference (JISIC)*, 75-82. doi: 10.1109/JISIC.2014.21
- Rui, X., Wen-Li, M., Wen-Ling, Z. (2009). Defending against UDP Flooding by Negative Selection Algorithm based on EIGEN Value Sets. *5th IEEE International Conference on Information Assurance and Security*, 342–345.
- Choi, J., Choi, C., Ko, B., Choi, D., Kim, P. (2013). Detecting Web-based DDoS Attack using Map Reduce Operations in Cloud Computing Environment. *Journal of Internet Security and Information Security (JISIS)*, 3(4), 28–37.
- Karnwal, T., Sivakumar, T., Aghila, G. (2012). A Comber approach to protect Cloud Computing against XML DDoS and HTTP DDoS Attacks. *IEEE Students' Conference on Electrical, Electronics and Computer Science (SCEECS)*, 1–5. doi: 10.1109/SCEECS.2012.6184829
- Gruschka, N., Lacono, L. (2009). Vulnerable Cloud: Soap Message Security Validation Revisited. *IEEE International Conference on Web Services (ICWS 2009)*, 625–631. doi: 10.1109/ICWS.2009.70
- Lonea, M., Popescu, D., Prostean, Q., Tianfield, H. (2013). Soft Computing Applications Evaluation of Experiments on Detecting DDoS attacks in Eucalyptus Private Cloud. *Springer 5th international Workshop Soft Computing Applications (SOFA)*, 195, 367–379. doi: 10.1007/978-3-642-33941-7_34
- Bakshi, A., Yogesh, B. (2010). Securing Cloud from DDoS Attacks using Intrusion Detection System in Virtual Machines. *IEEE 2nd International Conference on Communication Software and Networks (ICCSN'10)*, 260–264. doi: 10.1109/ICCSN.2010.56

- Gul, I., Hussain, M. (2011). Distributed Cloud Intrusion Detection Model. *International Journal of Advanced Science and Technology*, 34, 71–82.
- Kwon, H., Kim, T., Yu, J., Sim, K. (2011). Self-similarity based Light Weight Intrusion Detection Method for Cloud Computing. *3rd ACM International Conference on Intelligent Information and Database Systems (ACIIDS)*, II, 353–362. ISBN: 978-3-642-20041-0
- Lo, C., Huang, C., Ku, J. (2010). A Cooperative Intrusion Detection System Framework for Cloud Computing Networks. *IEEE 39th International Conference on Parallel Processing Workshop (ICPPW)*, 280–284. doi: 10.1109/ICPPW.2010.46
- Gupta, S., Kumar, P. (2013). VM profile based Optimized Network Attack Pattern Detection Scheme for DDoS attacks in Cloud. *International Symposium of Security in Computing and Communications*, 37, 255–261. doi: 10.1007/978-3-642-40576-1_25
- Shamsolmoali, P., Zareapoor, M. (2014). Statistical-based Filtering System against DDOS attacks in Cloud Computing. *International Conference on Advances in Computing, Communications and Informatics (ICACCI)*, 1234–1239. doi: 10.1109/ICACCI.2014.6968282
- Zakarya, M. (2013). DDoS Verification and Attack Packet Dropping Algorithm in Cloud Computing. *World Application of Science Journal*, 23(11), 1418–1424. doi: 10.5829/idosi.wasj.2013.23.11.950
- Vissers, T., Somasundaram, S., Pieters, L., Govindarajan, K., Hellinckx, P. (2014). DDoS Defense System for Web Services in a Cloud Environment. *Future Generation Computer Systems*, 37, 37–45. doi: 10.1016/j.future.2014.03.003
- Chandola, V., Arindam, B., Vipin, K. (2009). Anomaly Detection: A Survey. *ACM Computer Survey (CSUR)*, 41(3), 1–58. doi: 10.1145/1541880.1541882
- Prokhorenko, V., Choo, K., Ashman, K. (2016). Web Application Protection Techniques: A Taxonomy. *Journal of Network and Computer Applications*, 60, 95–112. doi: 10.1016/j.jnca.2015.11.017

- Marnerides, A., Spachos, P., Chatzimisios, P., Mauthe, A. (2015). Malware Detection in Cloud under Ensemble Empirical Mode Decomposition. *IEEE International Conference on Computing, Networking & Communications (ICNC)*, 82–88. doi: 10.1109/ICCNC.2015.7069320
- Girma, A., Garuba, M., Li, J., Liu, C. (2015). Analysis of DDoS Attacks and an Introduction of a Hybrid Statistical Model to Detect DDoS Attacks on Cloud Computing Environment. *IEEE 12th International Conference on Information Technology - New Generations*, 212-217. doi: 10.1109/ITNG.2015.40
- Ismail, N., Aborujilah, A., Musa, S., Shahzad, A. (2013). Detecting Flooding based DoS attack in Cloud Computing Environment using Covariance Matrix approach. *ACM 7th International Conference on Ubiquitous Information Management and Communication (ICUIMC '13)*, 36. doi: 10.1145/2448556.2448592
- Lonea, M., Popescu, E., Tianfield, H. (2013). Detecting DDoS Attacks in Cloud Computing Environment. *International Journal of Computer Communications and Control*, 8(1), 70–78.
- Bedi, S., Shiva, S. (2012). Securing Cloud Infrastructure against co-resident DoS attacks using Game Theoretic Defense Mechanisms. *International Conference on Advances in Computing, Communications and Informatics (ICACCI)*, 463-469. doi: 10.1145/2345396.2345473
- Huang, V., Huang, R., Chiang, M. (2013). A DDoS Mitigation System with Multi-stage Detection and Text-Based Turing Testing in Cloud Computing. *IEEE 27th International Conference on Advanced Information Networking and Applications Workshops (WAINA)*, 655-662. doi: 10.1109/WAINA.2013.94
- Zhijun, W., Zhifeng, C. (2006) Three Layer Defense Mechanism based on Web Servers against Distributed Denial of Service Attacks. *IEEE 1st International Conference on Communication and Networking, China*, 1-5. doi: 10.1109/CHINACOM.2006.344851
- Ficco, M. (2013). Security Event Correlation approach for Cloud Computing. *ACM International Journal of High Performance Computing and Networking (IJHPCN)*. 7(3), 173-185. doi: 10.1504/IJHPCN.2013.056525

- Zeng, X., Peng X., Li, M. Xu, H., Jin, S. (2009). Research on an Effective Approach against DDoS Attacks. *International Conference on Research Challenges in Computer Science (ICRCCS)*, 21-23. doi: 10.1109/ICRCCS.2009.15
- Veronika, D., Žilina, S., Ladislav, S., Shahmehri, N. (2012). Sophisticated Denial of Service attacks aimed at Application Layer. *IEEE 9th International Conference 2012 ELEKTRO*, 55 – 60. doi: 10.1109/ELEKTRO.2012.6225571
- Mehmud, A. (2011). Internet Denial-of-Service Attacks and Defense Mechanisms. *University of Pittsburgh Technical Report, Pittsburgh, USA*, TR-11-178, 1-50. Retrieved from <https://people.cs.pitt.edu/~mehmud/docs/abliz11-TR-11-178.pdf>
- Disha, P., Sridaran, R. (2013). An Analysis of Security Challenges in Cloud Computing. *International Journal of Advanced Computer Science and Applications (IJACSA)*, 4 (1). doi: 10.14569/IJACSA.2013.040106
- Arora, P., Rubal W., Satinder, A. (2012). Security Issues in Cloud Computing Services. *International Journal of Advanced Research in Computer Science and Software Engineering*, 3 (6), 512-527.
- Wentao, L. (2009). Research on DoS Attack and Detection Programming. *IEEE 3rd International Symposium on Intelligent Information Technology Application*, 1, 207-210. doi: 10.1109/IITA.2009.165
- Cornel, B., Shtern, M., Smit, M., Tzerpos, V., Litoiu, M. (2012). Model-Based Adaptive DoS Attack Mitigation. *IEEE 7th International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS)*, 119-128. doi: 10.1109/SEAMS.2012.6224398
- Minlan, Y., Greenberg, A., Maltz, D., Rexford, J., Lihua, Y., Kandula, S., Changhoon, K. (2011). Profiling Network Performance for Multi-tier Data Center Applications. *ACM 8th USENIX Conference on Networked Systems Design and Implementation (NSDI)*, 57-70.
- Malik, A., Muhammad, N. (2012). Security Framework for Cloud Computing Environment - A Review. *Journal of Emerging Trends in Computing and Information Sciences CIS Journal*, 3 (3), 390-394. ISSN 2079-8407

- Yu-Sung, W., Bagchi, S., Garg, S., Singh, N. (2014). SCIDIVE: A Stateful & Cross Protocol Intrusion Detection Architecture for Voice-Over-IP environments. *IEEE International Conference on Dependable Systems & Networks*, 433-442. doi: 10.1109/DSN.2004.1311913
- Akbar, A., Basha, M., Sattar, A. (2015). Leveraging the SIP Load Balancer to detect and mitigate DDoS attacks. *IEEE International Conference on Green Computing and Internet of Things (ICGCIoT)*. doi: 10.1109/ICGCIoT.2015.7380646
- Selvakumar, K., Shafiq, R. (2015). Rule-based Mechanism to Detect Denial of Service (DoS) attacks on Duplicate Address Detection Process in IPv6 Link Local Communication. *International Journal Conference on Reliability, Infocom Technologies and Optimization (ICRITO)*, 1-6.
- Bhandari, A., Sehgal, A., Kumar, K. (2015). Destination Address Entropy-based Detection and Trace back approach against Distributed Denial of Service Attacks. *International Journal of Computer Network and Information Security (IJCNIS)*, 8, 9-20. doi: 10.5815/ijcnis.2015.08.02
- Qiao, Y., Yu, R., Gong, Q., Li, J. (2016). Software-Defined Networking (SDN) and Distributed Denial of Service (DDoS) Attacks in Cloud Computing Environments: A Survey, Some Research Issues, and Challenges. *IEEE Communications Surveys & Tutorials*, 18(1), 602-622. doi: 10.1109/COMST.2015.2487361
- Imperva Global DDoS Threat Landscape. (2016). Retrieved from <https://www.incapsula.com/DDoS-report/DDoS-report-q1-2016.html>
- Akamai State of Security Report. (2015). Retrieved from <https://www.akamai.com/us/en/multimedia/documents/state-of-the-internet/2015-q4-cloud-security-report.pdf>
- Khadke, A., Madankar, M., Motghare, M. (2016). Review on mitigation of distributed Denial of Service (DDoS) attacks in cloud computing. *IEEE 10th International Conference on Intelligent Systems and Control (ISCO)*, 1-5. doi: 10.1109/ISCO.2016.7726917

- Geva, M., Herzberg, A., Gev, Y. (2014). Bandwidth Distributed Denial of Service: Attacks and Defenses. *IEEE Security & Privacy*, 12(1), 54-61. doi: 10.1109/MSP.2013.55
- Durcekova, V., Ladislav, S., Shahmehri, N. (2012). Sophisticated Denial of Service attacks aimed at Application Layer. *IEEE 9th International Conference 2012 ELEKTRO*. doi: 10.1109/ELEKTRO.2012.6225571
- Georgios, K., Tassos, M., Geneiatakis, D., Gritzalis, S. (2007). A Fair Solution to DNS Amplification Attacks. *IEEE 2nd International Workshop on Digital Forensics and Incident Analysis (WDFIA)*, 38-47. doi: 10.1109/WDFIA.2007.4299371
- Sridaran, R., Nagaraju, K. (2016). The performance analysis of N-S architecture to mitigate DDoS attack in cloud environment. *IEEE 3rd International Conference on Computing for Sustainable Global Development (INDIACom)*, 3460-3463. ISBN: 978-9-3805-4421-2
- Hildmann, T., Odej, K. (2014). Deploying and Extending On-Premise Cloud Storage Based on own Cloud. *IEEE 34th International Conference on Distributed Computing Systems Workshops (ICDCSW)*, 87-81. doi: 10.1109/ICDCSW.2014.18
- Zilberman, P., Rami, P., Yuval, E. (2015). On network footprint of traffic inspection and filtering at global scrubbing centers. *IEEE Transactions on Dependable and Secure Computing*. 19, 1-1. doi: 10.1109/TDSC.2015.2494039
- Seethalakshmi, D., Nasira, G. (2016). Detecting and preventing intrusion in multi-tier web applications using double guard. *IEEE 3rd International Conference on Computing for Sustainable Global Development (INDIACom)*, 3124-3127. ISBN: 978-9-3805-4421-2
- Hughes, K., Qu, Y. (2014). Performance Measures of Behavior-Based Signatures: An Anti-malware Solution for Platforms with Limited Computing Resource. *9th International Conference on Availability, Reliability and Security (ARES)*. doi: 10.1109/ARES.2014.47

- Zolkipli, M., Jantan, A. (2010). Malware Behavior Analysis: Learning and Understanding Current Malware Threats. *2nd International Conference on Network Applications, Protocols and Services*, 218-221. doi: 10.1109/NETAPPS.2010.46
- Karbab, B., Mourad, D., Saed, A., Djedjiga, M. (2016). DySign: Dynamic fingerprinting for the automatic detection of android malware. *11th IEEE International Conference on Malicious and Unwanted Software (MALWARE)*. doi: 10.1109/MALWARE.2016.7888739
- Joseph, O., Paul, B. (2016). Anti-analysis trends in Banking Malware. *11th IEEE International Conference on Malicious and Unwanted Software (MALWARE)*. doi: 10.1109/MALWARE.2016.7888735
- Xiaobao, Z., Jason, U. (2016). Malware provenance: code reuse detection in malicious software at scale. *11th IEEE International Conference on Malicious and Unwanted Software (MALWARE)*. doi: 10.1109/MALWARE.2016.7888738
- François, J., Aib, I., Boutaba, R. (2012). FireCol: A Collaborative Protection Network for the Detection of Flooding DDoS Attacks. *IEEE/ACM Transactions on Networking*, 20 (6), 1884-1841. doi: 10.1109/TNET.2012.2194508
- Hussain, M., Beigh, G. (2013). Impact of DDoS attack (UDP Flooding) on queuing models. *IEEE 4th International Conference on Computer and Communication Technology (ICCCCT)*, 210-216. doi: 10.1109/ICCCCT.2013.6749629
- Web Application Server Monitoring. (2017). *New Relic Web Monitoring*. Retrieved from <https://docs.newrelic.com/docs/browser/new-relic-browser/getting-started/new-relic-browser>
- Joshi, B., Vijayan, S., Kumar, J. (2012). Securing Cloud Computing Environment against DDoS Attacks. *IEEE International Conference on Computer Communication and Informatics*, 1-5. doi: 10.1109/ICCCI.2012.6158817

LIST OF PUBLICATIONS

1. Bhardwaj, A., Avasthi, V., Sastry, H., Subrahmanyam, G. (October 2016). DDoS Attacks, New DDoS Taxonomy and Mitigation Solutions – A Survey. *IEEE International Conference on Signal Processing, Communication, Power and Embedded Systems (SCOPE5)*. DOI: awaited. **[Scopus Indexed]**.
2. Bhardwaj, A., Avasthi, V., Sastry, H., Subrahmanyam, G. (January 2016). Solutions for Mitigating DDoS Attacks on Clouds, *6th IEEE International Conference on Cloud System & Big Data Engineering (Confluence)*. DOI: 10.1109/CONFLUENCE.2016.7508107. **[Scopus Indexed]**.
3. Bhardwaj, A., Avasthi, V., Sastry, H., Subrahmanyam, G. (May 2016). Ransomware Digital extortion - A Rising New Age Threat. *Indian Journal of Science and Technology (INDJST)*. DOI: 10.17485/ijst/2016/v9i14/82936. **[Scopus Indexed]**.
4. Bhardwaj, A., Avasthi, V., Sastry, H., Subrahmanyam, G. (June 2016). Security Algorithms for Cloud Computing. *Elsevier Science Direct International Conference on Computational Modeling and Security (CMS)*. DOI: 10.1016/j.procs.2016.05.215. **[Scopus Indexed]**.
5. Bhardwaj, A., Avasthi, V., Sastry, H., Subrahmanyam, G. (March 2016). Three Tier Network Architecture to Mitigate DDoS Attacks on Hybrid Clouds. *2nd ACM International Conference on Information and Communication Technology for Competitive Strategies (ICTCS)*. DOI: 10.1145/2905055.2905169. **[Scopus Indexed]**.
6. Bhardwaj, A., Goundar, S. (February 2017). Comparing Traditional Security Solutions with Secure Data center Architecture to mitigate DDoS Attacks. *International Journal of Cloud Applications and Computing (IJCAC)*. DOI: awaited. **[Thompson Reuters SCI Indexed]**.